Fig. 1

SEQ ID NO: 1

GAATTCCGGGCGGCGGCGGCCAAACTCCGCGGCGTCCCCAGGGCGCCA
CGTTCGCCCTCGCCGCCGCGGCCGCGCTGCTCTTCGGCTCCGACATGG
AAGATGGACCTTCTAATAATGCGAGCTGCTTCCGAAGGCTGACCGAGT
GCTTCCTGAGCCCCAAAGCTAATGGTATAGATATAGAAGTCATCCACA
GAGATGTTACAGTTGAAGAGATGGGGGTAGAGAAGACTTTGAAGGAAA
AGAATGTAGAATGAGGATAGAAGAGAGGAAATCCAACATTTAACAGG
TTTGACAGATGAAAAGTGAAGGCATATCTTTCTCTTCACCCCCAGGT
ATTAGATGAATTTGTATCTGAAAGTGTTAGTGCAGAGACAGTAGAGAA
ATGGCTGAAGAGGAAGAACAACAAATCAGAAGATGAATCAGCTCCTAA
GGAAGTCAGCAGGTACCAAGATACGAATATGCAGGGAGTTGTATATGA
ACTAAACAGCTATATAGAACAACGGTTGGACACAGGAGGAGACAACCA
GCTACTCCTCTATGAACTGAGCAGCATCATTAAAATAGCCACAAAGC
CGATGGATTTGCACTGTATTTCCTTGGAGAGTGCAATAATAGCCTGTG
TATATTCACGCCACCTGGGATAAAGGAAGGAAAACCCCGCCTCATCCC
TGCTGGGCCCATCACTCAGGGCACCACCGTCTCTGCTTATGTGGCCAA
GTCCAGGAAAACACTGCTAGTAGAAGACATCCTTGGAGATGAACGATT
TCCAAGAGGTACTGGACTGGAATCAGGGACTCGTATCCAGTCTGTTCT
TTGCTTACCAATTGTCACTGCAATTGGTGACTTGATTGGTATTCTCGA
GCTGTATCGGCACTGGGGCAAAGAAGCCTTCTGTCTTAGTCACCAGGA
GGTTGCAACAGCAAATCTTGCCTGGGCTTCAGTAGCAATACATCAGGT
GCAGGTATGCAGAGGCCTTGCCAAACAGACAGAATTGAATGACTTCCT
ACTCGACGTATCAAAAACATATTTTGATAACATAGTTGCAATAGATTC
TCTACTTGAACACATAATGATATATGCAAAAAACCTGGTGAATGCCGA
TCGTTGTGCGCTTTTCCAGGTGGACCATAAGAACAAGGAGTTATATTC
AGACCTTTTTGATATTGGAGAGGAAAAGGAAGGAAAACCTGTCTTCAA
GAAGACCAAAGAGATAAGATTTTCAATTGAGAAGGAATTGCTGGCCA

AGTAGCAAGAACAGGGGAAGTCCTGAACATTCCAGATGCCTATGCAGA
CCCACGCTTTAACAGAGAAGTAGACTTGTACACAGGCTACACCACGCG
GAACATCCTGTGCATGCCCATCGTCAGCCGAGGCAGCGTGATAGGTGT
GGTGCAGATGGTCAACAAAATCAGTGGCAGTGCCTTCTCTAAAACAGA
TGAAAACAACTTCAAAATGTTTGCCGTCTTTTGTGCTTTAGCCTTACA
CTGTGCTAATATGTATCATAGAATTCGCCACTCAGAGTGCATTTACCG
GGTAACGATGGAAAAGCTGTCCTACCATAGCATTTGTACTTCAGAAGA
GTGGCAAGGTCTCATGCAATTCACCCTTCCCGTGCGTCTCTGCAAAGA
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TGGAATTTTTGTCTACATGGTTCATCGGTCCTGTGGGACATCCTGCTT
TGAGCTTGAAAGTTGTGTCGTTTTATTATGTCTGTGAAGAAGAACTA
TCGGCGGGTTCCTTATCACAACTGGAAGCATGCGGTCACTGTAGCACA
CTGCATGTATGCCATACTTCAGAACAATCACACGCTTTTCACAGACCT
TGAGCGCAAAGGACTGCTGATTGCGTGTCTGTGTCATGACCTGGACCA
CAGGGGCTTCAGTAACAGCTACCTGCAGAAGTTCGACCACCCTCTGGC
CGCTCTCTACTCCACTTCCACCATGGAGCAGCACCACTTCTCCCAGAC
TGTGTCCATCCTTCAGTTGGAAGGGCACAATATCTTCTCCACTCTGAG
CTCCAGTGAATATGAGCAGGTGCTTGAGATCATCCGCAAAGCCATCAT
TGCCACAGACCTTGCTTTATACTTTGGAAACAGGAAGCAGTTGGAAGA
GATGTACCAGACCGGATCACTAAACCTTAATAATCAATCACATAGAGA
CCGTGTAATTGGTTTGATGATGACTGCCTGTGACCTTTGTTCTGTGAC
AAAACTGTGGCCCGTTACAAAATTGACGGCAAATGATATATATGCAGA
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TCCTATGATGGACAGAGACAAGAAGGATGAAGTCCCCCAAGGCCAGCT
TGGGTTCTACAATGCCGTGGCCATTCCCTGCTATACAACCCTTACCCA
GATCCTCCCTCCCACGGAGCCTCTTCTGAAAGCATGCAGGGATAATCT
CAGTCAGTGGGAGAAGGTGATTCGAGGGGAGGAGACTGCAACCTGGAT
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ACTGGTCACCCTGACACGCTGTCCCACCTACAGATCCTCATCTTGCTT

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CTTTGACATTCTTTTCCTTTTTTTGGGGGGGGTGGGGGGAACCTGCAC
CTGGTAACTGGGGTGCAAACCTCTTCAAGAAGGTAACATCAAATAAAT
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ACACTGAGCAACCAGGACCACCCCCACGTTCAGAAATCAGCTGGCCAA
GTGACTCCATTTGACTTGCAAACCAGCCTTTTCTAATAGGCTAATATT
GCTGAGGCCTTAAAGGAAATGGACAAAAATTATCCAGAAGGGGTACTT
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TTGTACTTGGGCTTTAACATCAATGTTGCTTTGATGTTGTTGGATATA
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GACCTACTTGTAATTAACTTGAGTTGTAGTCCACAGCCTCAGGACAAA
TGTCGTTGAGGTTACAGAGTAAGAAATGATGGCAAAACGTCAAACTCT
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TTCAACCTAAAGGGCTGAGATCAATAAATTTAACACTAGACGAAGTAG
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TTGTTGTTGTCTTGGCAGTTTTACTGAACCCTTTGCATAAAGAACAAA
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CGAGGGGTACATTTTTCATAATGATTCCTTTATATTTTCACTTTGTGT
CATATGCAGAATTTTAGACTCTCATTCACAATGAAAAGTTTATTTTAA
ACATTGTTTAATTAAAATACCATACAGTTCTCTTTTAAACATCAAACC
ATAAAAGTGTATTTTGTAATTTTACTCTGACCTGCCGCAGTCACCTC
TCACTTATCTCTTCCACGTACTGCACGGTCGTATTTCATGAGCTTTCT
GTCCATAGCACAGAAACAGAGCAGAAAGTAGTACAATCATGTTGGACC
TTCTTTCTGTTCTCTTTACTCTTCTCACAGATCAGATCACTCCATAGA
AGCCTGTGGGTTTCGATGGTTTCTTCTATACCTTTTTGGTTGACCA
GTATTACTATACAATGTAAGTGTTTAAAAAATACGAAAGTAATACTC
TGCACCCCTTCCTACAAAGATGATAAAGCAGTCACTTCTGGCGCATTT
TAATAATTTAAAGATTTTTAGTGCAATGGCACGGTAACCTCCAAACCT
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TAACTTATTCACTTTTCATGTGGCAGGAAACTGGAATATCGCTTTTAA

TAAAATGGAAAAATATGCTTCTACATATTTACCACCATAGGCGTTTTG

TTCATATGAGCCTGGTTTGTGCAAAATTAAATCAGAGGCTTCTACAAC

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TTATTTTAAAATTAACACTATGTGTTCAGTTTTCTTGTGGGCTTCTGA

AAGTTGCCATCTTCCCTCCGTGGAGCTCCATTTGCTATTTTCATTATA

CACTATGAGGTAAAATGTAATAACAAAGAGAGAGAAGTACCACTGTG

GCTAGATATATACACACACATATATATATGGATGGATGTAATATATGT

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GTATACATATGTGTATATATGATACATACACATACACACACGAGAG

ACAGAAGGAAAGAGAGGAAGAGAGAAGCAAACATGTAGGAAAAAATAT

AAATCAGCCGGAATTC

Fig. 2

SEQ ID NO: 2

MRIEERKSQHLTGLTDEKVKAYLSLHPQVLDEFVSESVSAETVEKWLK
RKNNKSEDESAPKEVSRYQDTNMQGVVYELNSYIEQRLDTGGDNQLLL
YELSSIIKIATKADGFALYFLGECNNSLCIFTPPGIKEGKPRLIPAGP
ITQGTTVSAYVAKSRKTLLVEDILGDERFPRGTGLESGTRIQSVLCLP
IVTAIGDLIGILELYRHWGKEAFCLSHQEVATANLAWASVAIHQVQVC
RGLAKQTELNDFLLDVSKTYFDNIVAIDSLLEHIMIYAKNLVNADRCA
LFQVDHKNKELYSDLFDIGEEKEGKPVFKKTKEIRFSIEKGIAGQVAR
TGEVLNIPDAYADPRFNREVDLYTGYTTRNILCMPIVSRGSVIGVVQM
VNKISGSAFSKTDENNFKMFAVFCALALHCANMYHRIRHSECIYRVTM
EKLSYHSICTSEEWQGLMQFTLPVRLCKEIELFHFDIGPFENMWPGIF
VYMVHRSCGTSCFELEKLCRFIMSVKKNYRRVPYHNWKHAVTVAHCMY
AILQNNHTLFTDLERKGLLIACLCHDLDHRGFSNSYLQKFDHPLAALY
STSTMEQHHFSQTVSILQLEGHNIFSTLSSSEYEQVLEIIRKAIIATD
LALYFGNRKQLEEMYQTGSLNLNNQSHRDRVIGLMMTACDLCSVTKLW
PVTKLTANDIYAEFWAEGDEMKKLGIQPIPMMDRDKKDEVPQGQLGFY
NAVAIPCYTTLTQILPPTEPLLKACRDNLSQWEKVIRGEETATWISSP
SVAQKAAASED

Fig. 3

SEQ ID NO: 3

5'-TTTTCAAGCTCAAAGCAGGATG-3

Fig. 4

SEQ ID NO: 4

5'-ACATGTGGCCTGGAATTTTTGT-3'

10/531905

Fig. 5

SEQ ID NO: 5

5'-CCCACAGGACCGATGAACCATG-3'